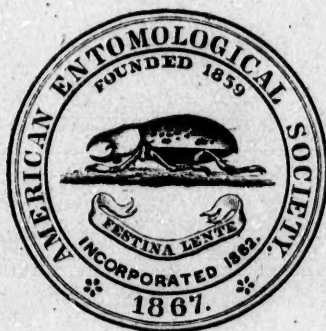


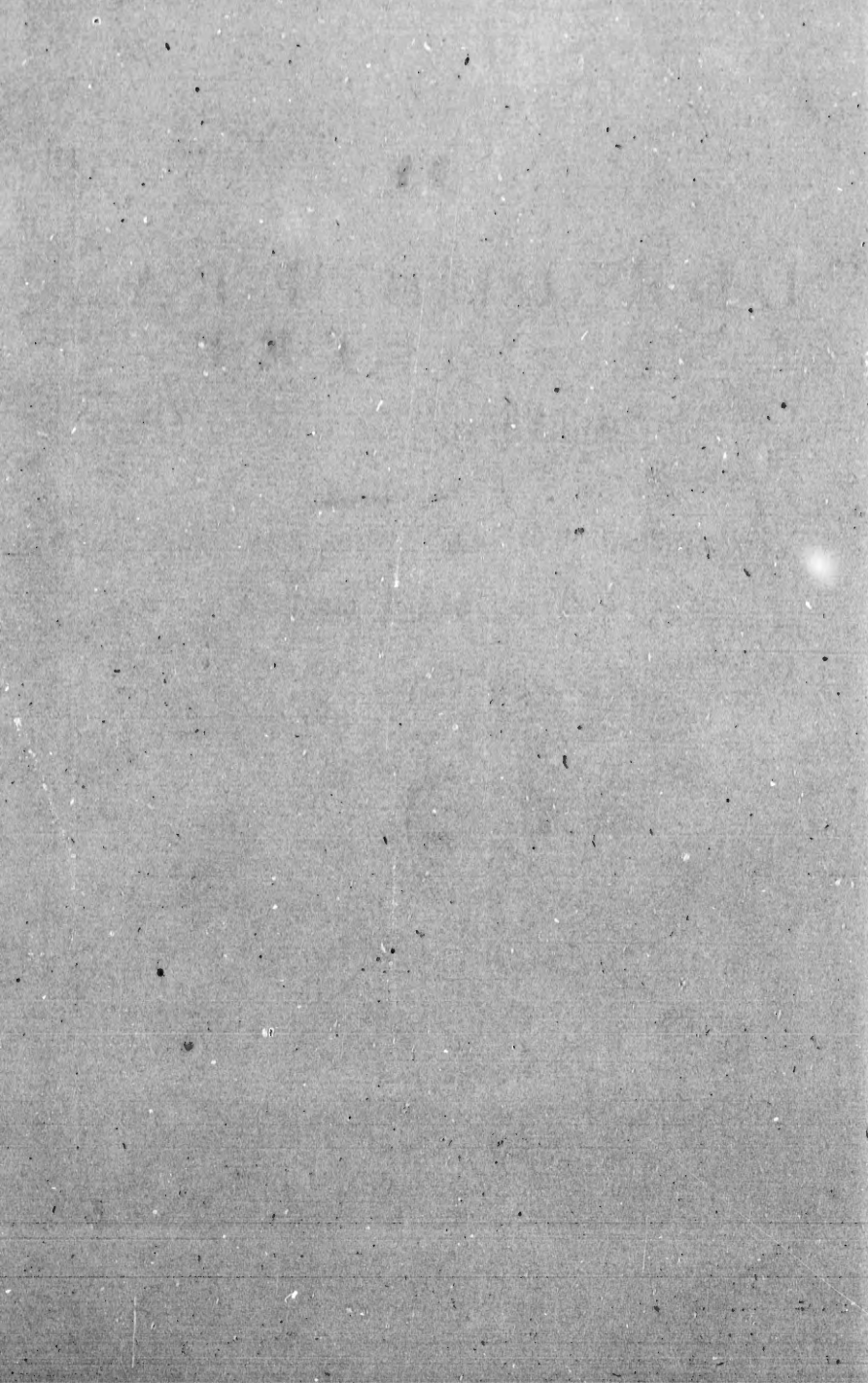
LIST
OF THE
LEPIDOPTERA
OF
NORTH AMERICA.

BY
AUG. R. GROTE & C. T. ROBINSON.

I.



PHILADELPHIA:
AMERICAN ENTOMOLOGICAL SOCIETY.
SEPTEMBER, 1868.



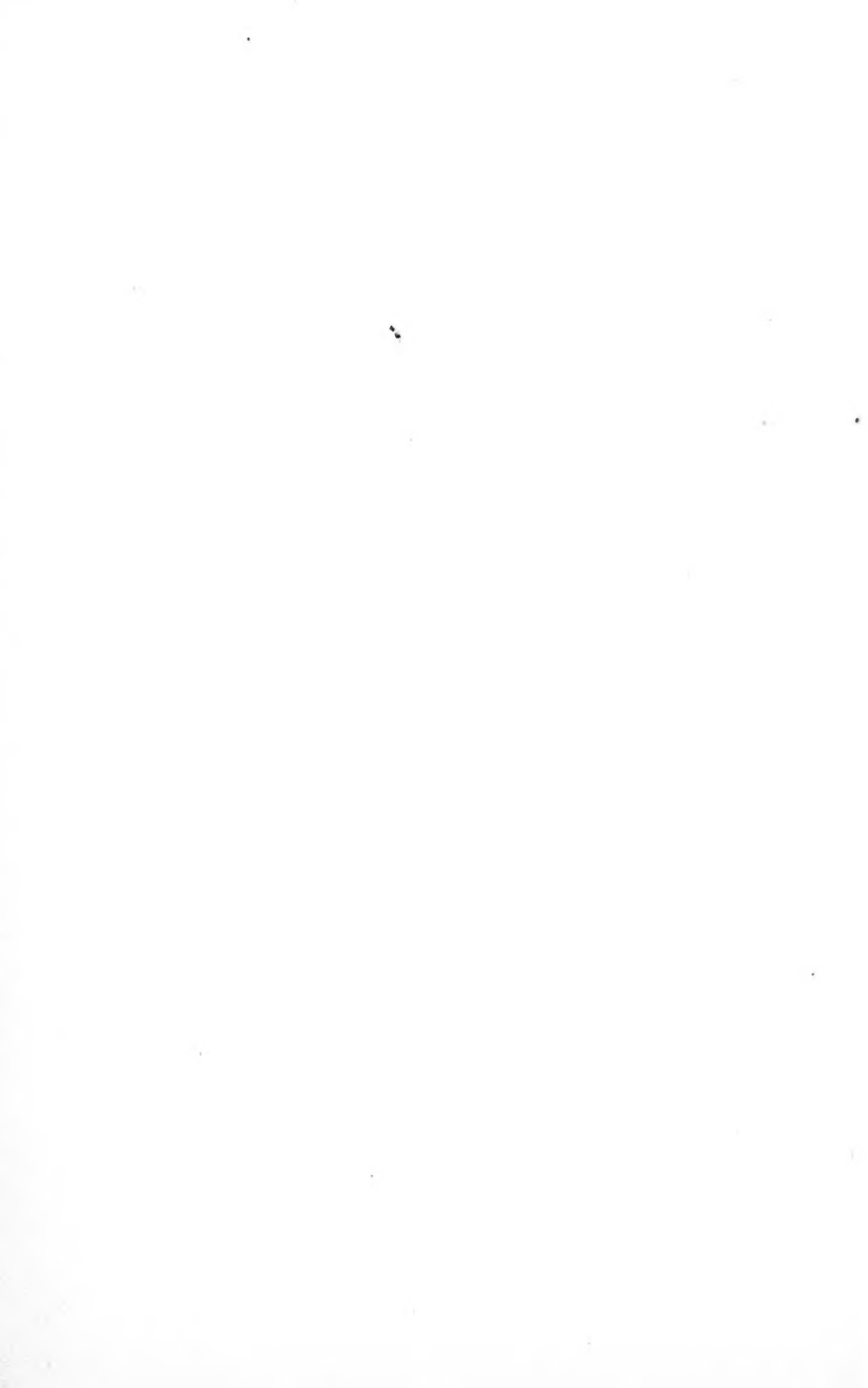
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PREFACE.

We have compiled the present List of the Lepidoptera of North America on the plan chosen by Dr. John L. LeConte in his Catalogue of the Coleoptera published by the Smithsonian Institution in 1863. We suggest that an uniformity in the style of the Lists of the different Suborders of North America Insecta, would be of advantage to the Student of Natural History and advance the diffusion of Entomological Knowledge.

It is to be regretted that as yet but very partial Collections of Lepidoptera have been received from California and the Territories; our acquaintance with the Lepidopterological Faunæ of these lands is thus at present quite limited.

The present Number contains the Sphingidae, Aegeriidae, Thyridae, Zygaenidae and Bombycidae. The manuscript on the Butterflies is in course of completion; that on the remaining Families of the Moths awaits the publication of monographic Papers now known to be preparing for the press.

The geographical area here considered, and styled North America, embraces all that part of the Continent lying North of Mexico.

The following marks are used in the List: — after a species indicates that it is unknown to the Authors, who are therefore not responsible for its value as a distinct species; || signifies that the name has been previously employed for another species; † denotes erroneous determinations; ‡ shows that the name to which it is placed is not entitled to acceptance owing to its not having been accompanied by a description at the time of its use; Greek letters are employed to distinguish forms which are considered as races of the preceding species.

AUG. R. GROTE,
C. T. ROBINSON.

NEW YORK, October 1st, 1868.

LIST

OF THE

LEPIDOPTERA OF NORTH AMERICA.

SPHINGIDAE.

MACROGLOSSINI.

Aretonotus Boisd.

lucidus Boisd.

Lepisesia Grote.

flavofasciata Grote.

Macroglossa flav. Walk.

Sesia Fabr.

‡ *Sesia* G. & R.

thetis G. & R.

Macroglossa thetis Boisd.

diffinis Harris.

Macroglossa diff. Boisd.

Sphinx fuciformis † Smith.

axillaris G. & R.

‡ *Haemorrhagia* G. & R.

gracilis G. & R.

Haemorrhagia grac. G. & R.

buffaloensis G. & R.

Haemorrhagia buff. G. & R.

thysbe Fabr.

Sphinx pelasgus Cram.

† *Sesia cimbiciformis* Steph.

a. uniformis G. & R.

Sesia ruficaudis † Walk.¹

fuscaudis Walk.

floridensis G. & R.

Haemorrhagia florid. G. & R.

Aellopos Hübner.

titan Hübner.

Sphinx titan Cramer.

Macroglossum annulosum Swains.

Macroglossa balteata Kirtland.

tantalus Hübner.

Sphinx tantalus Linn.

Sphinx zonata Drury.

Euproserpinus G. & R.

phaeton G. & R.

Enyo Hübner.

lugubris Walk.

Sphinx lug. Linn.

Sphinx fegeus Cram.

Thyreus Swainson.

abbottii Swains.

Amphion Hübner.

nessus Hübner.

Sphinx ness. Cram.

Deidamia Clemens.

inscripta Clem.

Pterogon? inscriptum Harris.

Proserpinus Hübner.

gaurae Hübner.

Sphinx gaurae Smith.

clarkiae Clem.—

Pterogon clarkiae Boisd.

CHOEROCAMPINI.

Darapsa Walker.²

choerilus Walk.

Sphinx choerilus Cram.

Sphinx azaleae Smith.

myron Walk.

Sphinx myron Cram.

Sphinx pampinatrix Smith.

Otus cnotus Hübner.

1—Not *Sesia ruficaudis* Kirby (non alior), a species not recognizable from the description given.

2—*Otus* Hübner. Ver. is preoccupied in Ornithology; the species here cited under *Darapsa* are typical of the genus.

versicolor Clemens.*Choerocampa versic.* Harris.**Choerocampa** Duponchel.**proene Clemens.**—‡ *Metopsilus* Duncan.**tersa Harris.***Sphinx tersa* Linn.**Deilephila** Ochsenh.**chamaenerii Harris.***Deilephila gatii* ‡ Walk.‡ *Deileph. intermedia* Kirby.**lineata Harris.***Sphinx lineata* Fabr.³*Sphinx daucus* Cram.*Deilephila daucus* Steph.**Philampelus** Harris.**vitis Harris.***Sphinx vitis* Linn., Drury, Fabr.,

W. V., Cram. 267 C., Smith, Westw.

— Merian, Plate 47 (upper figure),
fide Linn.*Sphinx fasciatus* Sulzer.*Dupo jussieuae* Hübner.*Philamp. jussieuae* Walk.*Philamp. fasciatus* Lucas, H-S.*Philamp. vitis* (larva) Clem.*Philamp. jussieuae* (imago) Clem.**linnei G. & R.***Sphinx vitis* ‡ Cram. (268 E).*Philamp. vitis* ‡ Walk.*Philamp. vitis* ‡ (imago) Clem.*Philamp. fasciatus* ‡ Grote.*Philamp. vitis* ‡ H-S.**pandorus Walker.***Daphne pandorus* Hübner.*Phil. satellitia* ‡ Harris, Clem., Grote
et nob.*Philamp. ampelophaga* ‡ Boisd.‡ *Sphinx satellitia* Fabr., Drury.**satellitita Walker.⁴***Sphinx satellitia* Linn.*Sphinx licaon* Cram.*Philamp. satellitia* Burm.**a. posticatus Grote.***Pholus licaon* Hübner.*Philamp. licaon* Grote.**achemon Harris.***Sphinx achemon* Drury.*Sphinx erantor* Cram.**SMERINTHINI.****Smerinthus** Latr.**geminatus Say.***cerisii* Kirby.*ophthalmicus* Boisd.**exonecatus Harris.***Sphinx exonecatus* Smith.‡ *Paonias pavoninus* Geyer.**myops Harris.***Sphinx myops* Smith.*Smerinthus rosacearum* Boisd.**astylus Westwood.***Sphinx astylus* Drury.*Sphinx io* Guér.*Smerinthus integerrima* ‡ Harris.**modestus Harris.***Smerinthus princeps* Walk.**Cressonia** G. & R.**juglandis G. & R.***Sphinx juglandis* Smith.*Smerinthus juglandis* Harris.**SPHINGINI.****Ceratonia** Harris.**amyntor G. & R.***Agrilus amyntor* Hübner.*Ceratonia quadricornis* Harris.**Daremma** Walker.**undulosa Walk.***Sphinx brontes* ‡ Boisd.*Macrosila brontes* ‡ Walk.*Ceratonia repentinus* Clem.*Daremma repentinus* G. & R.**Diludia** G. & R.**jasminearum G. & R.***Sphinx jasmin.* Boisd.

3—This is the species first described by Fabricius, Syst. Ent. 1775, not the *Sph. lineata* ‡ of his later works (*Deilephila lineata* ‡ Steph.) which is the European *D. livornica*. Deil. *intermedia* Kirby, described from an injured specimen, cannot be properly identified; Deil. *oxybaphi Clemens*, described from a larva, is as yet apocryphal.

4—This species is not yet taken in the United States; it occurs in the West Indies, Mexico and South America and appears to replace there our U. S. *Phil. pandorus* (*Phil. satellitia* ‡ Harris).

5—Not yet taken in the United States. This species is figured by Mr. Grote in his Notes on the Sphingidae of Cuba, Proc. Ent. Soc. Phil. Vol. 5, pl. 1, fig. 5, male; the student is referred to that paper for remarks on the synonymy of this species and of *Dar. undulosa*—the two distinct forms having been confounded by authors.

leucophaea (Clem).—*Sphinx leucoph.* Clem.**brontes** G. & R.⁵*Sphinx brontes* Drury.*Macrosila collaris* Walk.**Macrosila** Walk. (emend.)**rustica** Walk.*Sphinx rustica* Fabr.*Sphinx chionanthi* Smith.**carolina** Clemens.*Sphinx carolina* Linn.**celeus** G. & R.*Phlegothontius celeus* Hübner.*Sphinx 5-maculata* Steph. (Haw. MS.)*Sphinx carolina* † Don.*Macrosila 5-maculata* Clem.**cingulata** Clem.*Sphinx convoluti* † Drury.*Sphinx cingul.* Fabr.*Sphinx drucei* Don.**Sphinx** Linn.**chersis** G. & R.*Lethia chersis* Hübner.*Sph. cinerea* Harris.**drupiferarum** Smith.**kalmiae** Smith.**gordius** Cramer.**luscitiosa** Clemens.**eremitus** Walker.*Agrius erem.* Hübner.*Sphinx sordida* Harr.**lugens** Walker.⁶‡ *HYLOICUS* Hübner.**plebeia** Fabr.**coniferarum** Smith.**harrisii** Grote.*Sphinx coniferarum* † Harr.*Ellema harrisii* Clem.

an spec. sequent.?

bombycoides Grote.—*Lapara bombyc.* Walk.**Dolba** Walk.**hylaeus** Walk.*Sphinx hyl.* Drury.*Sphinx prini* Smith.**Dilophonota** Burm.**ello** Burm.*Sphinx ello* Lina.**obscura** G. & R.*Sphinx obscura* Fabr.AGERIIDAE.⁷**Melitita** Hübner.**satyriniformis** Hübner.—**ceto** Walker.—*Trochilium ceto* Westw.**cucurbitae** (Harris).—*Aegeria cucur.* Harr.var? *Mel. ceto* Walk.**flavitibia** Walker.—*Trochilium tibiale* ‖ Harr.**Trochilium** Scopoli.**apiforme** (Linn).⁸**marginatum** Harris.—**denudatum** Harris.**Aegeria** Fabr.**exitiosa** Say.*Sannina uroceriformis* Walk.? *Paranthrene pepsidiformis* Hübner.**quinquecaudata** Ridings.**caudata** Harris.—**tricincta** Harris.—**syringae** Harris.—**fulvipes** Harris.—**hospes** (Walsh).—*Trochilium hospes* Walsh.**tipuliformis** (Linn).⁹**pictipes** G. & R.**scitula** Harris.—**pyri** Harris.**acerni** Walker.*Trochilium acern.* Clem.**bassiformis** Walk.—**pyramidalis** Walk.—**pleciaeformis** Walk.—**odyneripennis** Walk.—**emphytiformis** Walk.—**hylotomiformis** Walk.—**pyralidiformis** Walk.—**sapygaeformis** Walk.—⁶—As yet received only from Mexico near the Texan border.⁷—No revision of the North American species has been lately published; most of our species belong to *Aegeria* Fabr.⁸—An European species introduced and acclimated in the vicinity of New York.⁹—Considered by Harris as identical with an European species.

gelliformis Walk.

Zenodoxus G. & R.
maculipes G. & R.

THYRIDAE.

THYRINI.

Thyris Illiger.
maculata Harris.
Sagalassa? perspicua Walk.
Thyris vitrina † Walk.
lugubris Boisdual.

PLATYTHYRINI. 10

Dysodea Clemens.
oculata Clemens.
Platythyris fasciata G. & R.
Varnia plena Walk.
vitrina (Boisd.)—
Thyris vitrina Boisd.
an rite Amer. bor.?
aequalis G. & R.
Varnia aequ. Walk.
Farnia flagrata Walk.
an rite Amer. bor.?

ZYGAENIDAE.

CASTNIINAE.

ALYPIINI.

Alypia Hübner.
octomaculata Hübner.
Zygaena octom. Fabr.
langtonii Couper.
Alypia octomaculata † Walk. p.
dipsaci G. & R.
sacramenti G. & R.
maccullochii Kirby.
ridingsii Grote.
lorquinii G. & R.
mariposa G. & R.

PSYCHOMORPHINI.

Psychomorpha Harris.
epimenis Harris.
Noctua epim. Drury.

EUDRIINI.

Euscirrhopterus Grote.
gloveri G. & R.
♂ ignot.

Endryas Boisd.

unio Boisd.
Euthisanotia unio Hübner.
grata Harris.
Bombyx grata Fabr.

Cris Grote.

wilsonii Grote.

ZYGAENINAE.

Horama Hübner.
texana Grote.
Hor. plumipes † Clem.
Callicarus tex. Grote.

Laemocharis H-S.
pertyi H-S.—

Cosmosoma Hübner.
omphale Hübner.

Syntomeida Harris.
ipomaeae Harris.—
?Euchromia ferox Walk.

Acoloithus Clemens.
falsarius Clem.
Harrisina sanborni Packard.
americanus Grote.
Procris amer. Boisd.
Procris dispar † Harr. Cat.
coracinus.
Aglaope coracin. Clem.

Procris Fabr.
?smithsonianus Clem.—

Pyromorpha H-S.
dimidiata H-S.
Lycomorpha centralis Walk.
Malthaca perlucidula Clem.

Seepsis Walk.
fulvicollis Walk.
Glaucopis fulvic. Hübner.
Glaucopis semidiaphana Harr.
packardii Grote.

Ctenucha Kirby.
virginica Grote.
Sphinx virg. Charp.
Cten. latreillana Kirby.

oressonana Grote.
♀
ochroscapsus G. & R.

multifaria.*Apistoxia* ? *multif.* Walk.*Glaucopsis rubroscapsus* Mén.*Cten. rubros.* G. & R.? *Philoros* Walk.**venosa** Walk.**Eupsychoma** Grote.**geometroides** Grote.**Gnophæla** Walk.**vermiculata** G. & R.*Callulocia verm.* Grote.**hopfferi** G. & R.**latipennis** (Boisd.)—*Glaucopsis latip.* Boisd.**Lycomorpha** Harris.**pholus** Harris.*Sphinx pholus* Trury.**Anatolmis** Packard.**grotei** Packard.**aequalis** G. & R.¹¹*Lithosia aqua.* Walk.**Cydosia** Westw.**aurivitta** G. & R.**nobilitella** Westw.*Tinea nobil.* Cramer.**aurea** (Fitch).—*Deiopeia aur.* Fitch.**Oeta** Grote.**compta** Grote.*Pocilloptera* || *compta* Clem.

BOMBYCIDÆ.

LITHOSIINÆ.

Hypoprepia Hübn.**fuscata** Hübn.*Atolmis tricolor* Fitch.**a. miniata.***Lithosia miniata* Kirby.*Gnophria vittata* Harris.**Cisthene** Walk.**subjecta** Walk.*Hypoprepia packardii* Grote.**a. unifascia** G. & R.**Lithosia** Fabr.**argillacea** Packard.*Lith. bicolor* Grote.**Crambidia** Packard.**pallida** Packard.**Eustixia** Hübn.**pupula** Hübn.¹²*Eust. pup.* Hübn. (489—90.)*Eust. laeta* Geyer. (Einl. 4 Hund.)*Mieza ignix* Walk.**subfervens.***Mieza subfer.* Walk.

spec. distinct.?

Clemensia Packard.**albata** Pack.*Ripa cana* Walk.? *Uxia albata* Walk.**Euphanessa** Pack.**mendica** Pack.*Nolania mend.* Walk.*Eudule biseriata* H-S.**Dysauxes** Hübn.**mediastina** Hübn.—**Crocota** Hübn.**rubicundaria** Hübn.**brevicornis** Walk.var. *Croc. rubicundaria* ‡ Walk.? *Eubaphe aurantiaca* Hübn.**quinaria** Grote.*Croc. chorina* Reakirt.**nigricans** Reakirt.—**immaculata** Reakirt.—var. *3-maculosa* Renk.**ferruginosa** Walk.**opella** Grote.! **laeta** (Boisd.).*Lithosia laeta* Boisd.*Croc. treatii* Grote.**Utetheisa** Hübn.**ornatrix** Hübn.*Noctua ora.* Linn.**a. bella** Hübn.*Tinea bella* Linn.¹¹—As yet only received from Mexico, near the Texan border.¹²—*Eustixia pupula* Hübn. 327—8 is considered to represent *Thelcteria pupula* Zeller (Pyralidae). In any event, the genera being distinct, *Eustixia* Hübn. must be retained for the present genus. Geyer's correction arose probably from the fact that he considered the two species congeneric and inferred that they were so intended by Hubner owing to the similarity of the generic names.

- β. speciosa* Grote.
Deiopeia spec. Walk.
γ. ornatrix Hübn.
Noctua orn. Linn.

'ARCTIINAE.

Callimorpha Latr.

- clymene* Pack.
Hypercompa clym. Esper.
Call. carolina Harris.
interrupto-marginata Pack.
Bombyx interr. Beauv.
Hypercompa comma Walk.
lecontei Boisd.
Call. militaris Harris.
Call. leucomelas H-S.
 var. *Hypercompa confinis* Walk.
 var. *Hypercompa contigua* Walk.
 var. *Hypercompa fulvicosta* Clem.
 var. *Call. vestulis* Pack.
Tanada conscita Walk.

Epicallia Hübn.

- virginalis* Pack.
Chelonia virg. Boisd.
guttata G. & R.
Agarista gutt. Boisd.

Plataretia Pack.

- parthenos* Pack.
Arctia parth. Harris.
Arctia americana ‡ Walk.
borealis Pack.—
Arctia bor. Mösch.
hyperborea G. & R.
Euprepia hyper. Curtis.
scudderi Pack.—
modesta Pack.—

Euprepia Germar.

- americana* Pack.
Arctia amer. Harris.
Arctia caja ‡ Fitch, Walk., Mösch.

Callaretia Pack.

- ornata* Pack.—

Arctia Schrank.

- virgo* Harris.
Bombyx virgo Linn.
Arctia parthenice Saund.
 ? *Call. parthen.* Kirby.
saundersii Grote.
Arctia virguncula ‡ Saund.

- achaea* G. & R.
blakei Grote.
phyllira Harris.
Bombyx phyl. Drury.
figurata Harris.
Bombyx fig. Drury.
Arctia celia var. Saund.
a. celia Saund.
Bombyx fig. Beauv.
Arctia celia Saund.
nais Hübn.
 ♀ *Bombyx nais* Drury.
 ♂ *Arctia nais* Hübn.
 ♂ *Arctia phalerata* Harris.
a. decorata Saund.
 ♀ *Arctia dec.* Saund.
 ♀ *Apantesis radiana* Walk. (aberr.)
 ♀ *Aloa colorata* Walk.
nevadensis G. & R.
anna Grote.
complicata Walk.
persephone Grote.
Arctia virguncula ‡ Walk.
virguncula Pack.
Callimorpha virg. Kirby.
Arctia nais ‡ Saund.
dahurica Walk.
Chelonia dahur. Boisd.
speciosissima Mösch.—
quenselii Geyer.—
gelida Mösch.—
arge Harris.
Bombyx arge Drury.
Phalaena dione Smith.
placentia Walk.
Phalaena plac. Smith.
pallida Pack.

Nemeophila Stephens.

- caespitis* G. & R.
cichorii G. & R.
petrosa Walk.
californiae Walk.
rufula Boisd.—

Seiraretia Pack.

- echo* Pack.—
Phalaena echo Smith.
clio Pack.—

Ectypia Clemens.

- bivittata* Clemens.

Pyrrharetia Pack.*isabella* Pack.*Phalaena isab.* Smith.*californica* Pack.—**Phragmatobia** Steph.*rubricosa* Grote.*Arctia rubric.* Harris.*Phrag. fuliginosa* ‡ Walk.*vagans* Walk.—*Arctia vagans* Boisd.*dubia* G. & R.*Cynia dubia* Walk.*assimilans* Walk.

an rite Amer. bor.?

Antaretia Hübn.*punctata* Pack.**Leucaretia** Pack.*acraea* Pack.♀ *Bombyx acria* Drury.♂ *Bombyx caprotina* Drury.*californica* Pack.—**Spilosoma** Steph.*virginica* Walk.*Bombyx virgin.* Fabr.*congrua* Walk.*vestalis* Pack.**Hyphantria** Harris.*textor* Harris.*Spilosoma candida* Walk.*punctata* Fitch.—*cunea* Fitch.*Bombyx cunea* Drury.*Phalaena punctatissima* Smith.**Euchaetes** Harris.*egle* Harris.*Bombyx egle* Drury.*a. collaris.**Hyphantria coll.* Fitch.*Tanada antica* Walk.*eglenensis* Clemens.**Arachnis** Hübn.*picta* Pack.—**Epantharia** Hübn.*scribonia* Hübn.*Phalaena scrib.* Stoll.*Phalaena oculatissima* Smith.*Bombix cunegunda* Beauv.**Haliidota** Hübn.*tessellaria* Hübn.*Phalaena tess.* Smith.*Hal. antiphola* Walsh.*Hal. harrisii* Walsh.*cinctipes* Grote. 13*Hal. tessellaria* ‡ Walk. (descr.)*oaryae* Clemens.*Lophocampa car.* Harris.*Hal. annulifascia* Walk.*Phegoptera porphyria* H-S.*maculata* Clemens.*Lophocampa macul.* Harris.*Hal. fulvostrava* Walk.*Phegoptera guttifera* H-S.*californica* Walk.*Hal. angulifera* Walk.*agassizii* Pack.—*edwardsii* Pack.*Hal. translucida* Walk.*argentata* Pack.—*roseata* Walk.

DASYCHIRINAE.

Orgyia Oechsenheim.*nova* Fitch.*Org. antiqua* ‡ Walk.*leucostigma* Harris.*Phalaena leuc.* Smith.*definita* Pack.—*vetusta* Boisd.—**Parorgyia** Pack.*plagiata* G. & R.*Edema ? plag.* Walk.*clintonii* G. & R.*leucophaea* ‡ Hübn.*Par. achatina* ‡ Pack.*leucophaea* Pack.*Phalaena leuc.* Smith.*basilava* Fick.*obliquata* G. & R.*parallela* G. & R.*achatina* (Smith.).—*Phalaena achal.* Smith.*cinnamomea* G. & R.*clandestina* (Walk.).—*Dasychira cland.* Walk.**Laria** Curtis.*rossii* Curtis.—

13.—Not yet taken within our Territory. Specimens examined came from Mexico (Vera Cruz) and Cuba; it will probably occur in Texas.

Carama Walk.**cretata.***Lagoa cretata* Grote.**Lagoa** Harris.**crispata** Pack.*Lagoa opercularis* † Harris.**opercularis** Pack.*Phalaena opere.* Smith.*Pimela lanuginosa* Clem.**pyxidifera** Pack.—*Phalaena pyxid.* Smith.

COCHLIDIIINAE.

Euclea Hübner.**querceti** Pack.*Limacodes cippus* † Harris, Walk.*Limacodes querc.* H-S.*Euclea monitor* Pack.**quercicola** Pack.—*Limacodes quercic.* H-S.**bifida** Pack.—**ferruginea** Pack.—**paenulata** Pack.*Empretia paen.* Clem.**Parasa** Moore.**chloris.***Neaera chloris* H-S.*Limacodes viridus* Reakirt.*Callochloa vernata* Pack.**Monoleuca** G. & R.**semifascia** G. & R.*Limacodes semif.* Walk.**Nochelia** Clemens.**tardigrada** Clem.—**Empretia** Clemens.**stimulea** Clem.**Phobetron** Hübner.**pithecium** Pack.♂ ♀ *Phalaena pithec.* Smith.*Phobetron abbotana* Hubn.♂ *Thyridopteryx ephemeræformis* †
hyalinum (Walsh).— [Pack.]♂ *Limacodes hyal.* Walsh.

spec. distinct.?

nigricans Grote.*Thyridopteryx nigr.* Pack.**Limacodes** Latr. 14**scapha** Harris.*Lim. undifera* Walk.**inornata** G. & R.**biguttata** Pack.**y-inversa** Pack.

‡ LITHACODES Pack.

rectilinea G. & R.**fasciola** H-S.*Lim. laticlavata* Clem.**Packardia** G. & R.**fusca** G. & R.*Cyrtosia* ‖ *fusca* Pack.**geminata** G. & R.*Cyrtosia* ‖ *gemin.* Pack.**ocellata** G. & R.*Cyrtosia* ‖ *ocell.* Grote.**albipuncta** G. & R.*Cyrtosia* ‖ *albip.* Pack.**Adoneta** Clemens.**spinuloides** Grote.*Limacodes spin.* H-S.*Adoneta voluta* Clem.**leucostigma** Grote.*Cyclopteryx* ‖ *leucos.* Pack.

an spec. prae.?

pygmaea G. & R.**Heterogenea** Knoch.**shurtleffi** Pack.**Kronaea** Reakirt.**minuta** Reakirt.*Limacodes min.* Reak.**Isa** Pack.**textula** Pack.—*Limacodes tex.* H-S.**Tortricidia** Pack.**pallida** Pack.*Limacodes pall.* H-S.**testacea** Pack.**flavula** Pack.—*Limacodes flav.* H-S.

PSYCHIIINAE.

Psyche Ochs.**confederata** G. & R.

Phryganidia Pack.
californica Pack.

Thyridopteryx Stephens.
ephemeraeformis Steph.
Oiketiscus coniferarum Harr.

Lacosoma Grote.
chiridota Grote.

Perophora Harris.
melshelmerii Harris.
Arrhodia egenaria Walk.

PTILODONTINAE.

Ichthyura Hübner.
inclusa Hübner.
Clostera americana Harr.
ornata G. & R.
inversa Pack.
indentata Pack.—
albosigma Morris.
Clostera albos. Fitch.
vau Morris.—
Clostera vau Fitch.

Apatelodes Packard.
torrefacta Pack.
Phalaena torref. Smith.
angelica Grote.
Parathyris angel. Grote.
Apat. hyalinopuncta Pack.

Datana Walk.
ministra Walk.
Phalaena min. Drury.
angusii G. & R.
major G. & R.
integerrima G. & R.
?Phalaena ministra Smith.
contracta Walker.
perspicua G. & R.

Nadata Walk.
gibbosa Walker.
Phalaena gibb. Smith.
doubledayi Pack.—

Hyparpax Hübner.
aurora Hübner.
Phalaena aur. Smith.
♂ Dryocampa venusta Walk.
♀ Sangata rosea Walk.

Gluphisia Boisid.
trilineata Pack.
? Gluph. ? septentrionalis Walk.

Notodonta Ochsen.
stragula Grote.
basitriens Walk.¹⁵

Lophodonta Pack.
ferruginea Pack.
angulosa Pack.
♂ Phalaena ang. Smith.
(fig. inf.)
georgica G. & R.
♂ Phalaena angulosa † Smith.
(fig. sup.)
Notodonta georg. H-S.

Pheosia Hübner.
rimosa Pack.
dimidiata (H-S).—
an rite Amer. bor.?

Nerice Walk.
bidentata Walk.

Edema Walker.
albifrons Walk.¹⁶
Phalaena albif. Smith.

Seirotonta G. & R.
bilineata G. & R.
Cecrita ? bilineata Pack.
Heterocampa turbida Walk.
Edema ? associata Walk.
mustelina (Pack.).—
Cecrita ? mustelina Pack.

Oedemasia Pack.
concinna Pack.
Phalaena concinna Smith.
nitida Pack.—
badia Pack.
Heterocampa significata Walk.

Dasylophia Pack.
anguina Pack.
Phalaena anguina Smith.
♀ Drymonia cucullifera H-S.
♂ Heterocampa punctata Walk.
interna Pack.
Heterocampa tripartita Walk.

Schizura Doubleday.
ipomeae Doubleday.—

15—*Notodonta plagiata* || Walk, is the European *N. trilophus* with an erroneous locality.

16—*Edema producta* Walk. and *Edema fuscescens* Walk. belong to *Inigura* (Noctuidae).

Coelodasys Pack.**unicornis** Pack.*Phalaena unicornis* Smith.var. ♂ *Edema semirufescens* Walk.*Edema humilis* Walk.**edmandsii** Pack.—**apicalis** G. & R.**leptinoides** G. & R.*Heterocampa leptin.* Grote.**biguttata** Pack.♂ *Heterocampa ducens* Walk.♀ *Heteroc. compta* Walk.? ♂ *Heteroc. corticea* Walk.**harrisii** Pack.—**cinereofrons** Pack.*Heterocampa ustipennis* Walk.**Innassa** Walk.**lignicolor** Walk.♂ *Xylinodes virgata* Pack.♂ *Edema ? transversata* Walk.♀ *Exaereta lignigera* Walk.**Heterocampa** Doubleday.**astarte** Doubled.—♀ *Het. varia* Walk. 17**obliqua** Pack. 18**brunnea** G. & R. 19

♂ ignot.

umbrata Walk.—**trouvelotii** Pack.—**pulverea** G. & R. 20

♂ ignot.

marthesia. 21*Phalaena mar.* Cramer. (264 B.)*Lochmaeus tessella* Pack.*Cerura turbida* Walk.*Heterocampa tess.* G. & R.**elongata** G. & R.**guttivitta** G. & R.*Cecrita gutt.* Walk.*Het. biundata* † Pack.*Drymonia mucorea* H-S.*Drymonia indeterminata* Walk.**biundata** Walk. 22*Lochmaeus olivata* Pack.*Het. semiplaga* Walk.*Stauropus viridescens* Walk.**thyatirides** Walk.—**cinerea.***Lochmaeus cin.* Pack.*Misogada sobria* Walk.**unicolor.***Lochmaeus unic.* Pack.**marina.***Lochmaeus mar.* Pack.‡ **LOCHMAEUS** Doubleday.**manteo** Walk.*Lochm. manteo* Doubl.*Het. subulbicans* Grote.*Tadana cinerascens* Walk.**Platycerura** Packard.**furcilla** Pack.**Cerura** Schrank.**borealis** Harris.*Phalaena furcula* † Smith.*Dieranura bor.* Boisd.**cinerea** Walk.**scitiseripta** Walk. 23

PLATYPTERYGINÆ.

Drepana Schrank.**arcuata** Walk.*Platypteryx furcula* Grote.**genicula** Walk.*Platypteryx genic.* Grote.**Platypteryx** Laspeyres.**billineata** Grote.*Edapteryx bilin.* Pack.**Dryopteris** Grote.**rosea** Grote.*Drepana ros.* Walk.*Clix americana* H-S.*Platypteryx formula* Grote.var. *Drepana marginata* Walk.**irrorata** Packard.

17—Teste Abbot, pl. 118 f.—in libr. Dr. Gray.

18—Male and female, G. & R. Trans. Am. Ent. Soc. Vol. 1, figs. 26—27.

19—Abbot, Pl. 121 f, female.

20—Abbot, Pl. 130 f.

21—Abbot, Pl. 119 f.

22—Abbot, Pl. 118 f.

23—The following species described by Mr. Walker are irreconizable owing to the vague descriptions given of them in the Brit. Mus. Lists: *Drymonia ? confusa*, p. 413, *Heterocampa mollis*, p. 422, *Het. nigrosignata*, p. 422, *Psaphida resumens*, p. 448, *Certilia flexuosa*, p. 449, *Hatima semirufescens*, p. 450, *Acherodes ferraris*, p. 451, *Bellura gortynoides* p. 463. The specimens determined as *Notodonta stragula* belong to *N. basitrens*.

ATTACINAE.

Telen Hübner.**polyphemus** Hübner.*Attacus polyph.* Linn.**Aetias** Leach.**luna** Leach.*Attacus luna* Linn.**Attacus** Linn.**splendida** (DeBeauv.).—**Samia** Hübner.**cynthia** Hübner.²⁴*Attacus cyn.* Drury.**Callosamia** Pack.**promethea** Pack.*Attacus prom.* Drury.**angulifera** Pack.*Samia angulif.* Walk.*Saturnia atys* † Bois.**Platysamia** Grote.**oecropia** Grote.*Attacus oecropia* Linn.**columbia** Grote.*Samia columbia* Smith.**californica** Grote.*Saturnia coryale* † Bois.*Saturnia ceanoti* † Behr.**Saturnia** Schrank.**galbina** Clemens.²⁵

CERATOCAMPINAE.

HEMILEUCINI.

Hemileuca Walker.**maia** Walk.*Bombyx maia* Drury.*Bombyx proserpina* Fabr.**grotei** Hopffer.**Pseudohazis** G. & R.**eglanterina** G. & R.*Saturnia eglant.* Bois.**pica** G. & R.*Hemileuca pica* Walk.**hera** G. & R.—*Saturnia hera* Harris.**Coloradia** Blake.**pandora** Blake.**Hyperchiria** Hübner.**varia** Walker.*Phalaena io* † Smith.*Saturnia io* † Harris.*Io fohricii* † Bois.**zeller** G. & R.

DRYOCAMPINI.

Eacles Hübner.**imperialis** Hübner.*Bombyx imper.* Drury.*Bombix didyma* Beauv.**Citheronia** Hübner.**regalis** Hübner.♀ *Phalaena laocoon* † Cram.²⁶♂ *Phalaena laocoon* † Stoll.*Bombyx regalis* Fabr.*Eacles laocoon* † Walk.**sepulcralis** G. & R.**Adelocephala** Bois.**bicolor** Grote.*Dryocampa bic.* Harris.♂ ♀ *Sphingicampa distigma* Walsh.♂ *Dryocampa bicolor* Walsh.**Anisota** Hübner.**stigma** Hübner.*Phalaena stigma* Smith.**senatoria** Hübner.*Phalaena senat.* Smith.**pellucida** Grote.*Phalaena pellucida* Smith.**virginiensis** Pack.—*Bombyx virginianensis* Drury.*Anisota pellucida* Hübner. Verz.

♂ DRYOCAMPA Harris p.

rubicunda Grote.²⁷*Bombyx rubic.* Fabr.*Dryocampa rubic.* Harris.

24—An Asiatic species cultivated in the United States for its silk, and acclimated on the alanthus in Brooklyn, L. I.

25—The genus *Saturnia* is restricted properly to the European *S. pyri*, *S. carpini*, and *S. spini*, and to the Asiatic *S. pyretorum*.

26—Pl. 117, figs. B—C; fig. A (male) *Cith. laocoon* Cram. sp. and is distinct from our U. S. C. *regalis*. Vido G. & R. Ann. N. Y. Lyc. N. Hist. Vol. viii, 1866 and Trans. Am. Ent. Soc. Vol. 2, 1868.

27—*Dryocampa rubicunda* Walk., from "Brazil", is our species with an erroneous locality. *Dryocampa venusta* Walk. is male *Hyparpax aurora* Hübner. Hence *Anis. walkeri* Grote, proposed for *Dry. rubic.* Walk., falls away.

LACHNEIINAE.

Gastropacha Ochsen.**americana** Harris.*Gastr. occidentis* Walk.? *Phalaena ilicifolia* † Smith.**ferruginea** Pack.—**Tolyte** Hübner.**velleda** Hübner.*Bombyx velleda* Stoll.**a. minuta** Grote.

spec. distinct.?

laricis Pack.*Planosa laricis* Fitch.**Artace** Walker.**punctistriga** Walker.**Clisiocampa** Curtis.**americana** Harris.*Phalaena castrensis* † Smith.*Clisioc. decipiens* Walk.? *Bombyx americana* Fabr.**disstris** Grote.*Phalaena neustria* † Smith.*Malacosoma dis.* Hübner. Verz.*Clisioc. sylvatica* Harris.**californica** Pack.

HEPIALINAE.

COSSINI.

Xyleutes Hübner.**robiniae** Harris.*Cossus robiniae* Pack.**macmurtrei**.*Cossus macm.* Boisd.**crepera** Harris.—**querciperda** Fitch.**populi** Pack.*Cossus pop.* Walk.**plagiatus** Pack.*Cossus pleg.* Walk.**Zeuzera** Fabr.**pyrina** Fabr.—**canadensis** H.-S.—

HEPIALINI.

Sthenopsis Packard.**argenteomaculata**.*Hepialus argent.* Harris.*Gorgopis arg.* Grote.**quadriguttata** Packard.*Gorgopis 4-guttata* Grote.♀ *Hepialus argenteomaculata* † Harris in Lake Sup.*Hepialus argenteom.* † Walk.*Sthen. argent.* † Pack.**purpurascens** Pack.—**argentata** Pack.—**Hepialus** Linn.**hyperboreus** Moeschler.—**pulcher** Grote.**mustelinus** Pack.—**labradoriensis** Pack.—**gracilis** Grote.

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